IN THE UNITED STATES DESIGNATED/ELECTED OFFICE
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Applicants: Richard William TITBALL and Helen Lisa BULLIFENT

International
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International
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For: RECOMBINANT MICROORGANISMS

Box PCT
Commissioner for Patents   Attorney Docket No. 41577/270459
Washington, D.C. 20231   Date: 11 March 2002

SUBMISSION OF SEQUENCE LISTING

Sir:

Applicants submit (1) a paper copy of the Sequence Listing numbered as

pages 1-7 and (2) the Sequence Listing in computer readable format as required by 37

CFR §1.821.

CERTIFICATION PURSUANT TO 37 C.F.R. §1.821

The undersigned certifies that the contents of the enclosed paper copy of the

Sequence Listing and the enclosed diskette containing the Sequence Listing in

computer readable form are identical.

Respectfully submitted,

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1314419

SEQUENCE LISTING

<110>   Titball, Richard L.

         Bullifent, Helen L.

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<151>   2000-09-06

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